Application Serial No.08/927,432 entitled "Telecommunications Assisted Satellite Positioning System," inventors Giovanni Vannucci; U.S. Patent Application Serial No. 09/321,075 entitled "Wireless Assisted GPS Using A Reference Location," inventors Robert Ellis Richton and Giovanni Vannucci; and U.S. Patent Application Serial No. 60/114,491 entitled "Wireless Assisted Satellite Location Using a Reference Point," inventors Robert Ellis Richton and Giovanni Vannucci. Related subject matter is disclosed in the following application filed concurrently herewith and assigned to the same Assignee hereof: U.S. patent application entitled "Satellite-Based Location System Employing Knowledge-Based Sequential Signal Search Strategy", Serial No. 09392,765, inventors Ren Da and Giovanni Vannucci.

On page 14, lines 2-6, replace the existing paragraph with the following paragraph.

A method and apparatus for facilitating detection of satellite signals using a dynamic integration technique in which integration time periods of correlators are adjusted according to signal strength measurements of satellite signals received at GPS receivers. Specifically, integration time periods are inversely adjusted, either proportionally or non-proportionally, to received strengths of signals being searched.

In The Claims

Replace claims 1 and 12.

1. (once amended) A method for detecting a plurality of signals comprising the steps of:

measuring a strength of signals being transmitted on a frequency associated with a signal to be detected;

determining an integration time period for performing a coherent integration based on the measured strength of signals; and

searching for the signal to be detected using a correlator for the determined integration time period.

12. (once amended) The method of claim 1, wherein the step of determining the integration time period include the step of: